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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,338	05/05/2006	Wolfgang Pfeiffer	10191/4578	6592
26646	7590	07/25/2008	EXAMINER	
KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004			ARCE DIAZ, MARLON A	
ART UNIT	PAPER NUMBER			
	3611			
MAIL DATE	DELIVERY MODE			
07/25/2008	PAPER			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/578,338	PFEIFFER ET AL.
	Examiner	Art Unit
	MARLON A. ARCE DIAZ	3611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 05 May 2006.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 13-24 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 13-24 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 5/5/06.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application

6) Other: _____.

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed 5/5/06 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 13-16 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Hommel (US 6208923). Hommel discloses a steer-by-wire steering actuator comprising: two electrical units (14a,14b), two power supplies (7a,7b), one for each electrical unit, a pair of fuses/relays (18a,18b), a couple of torque control elements/processing units (6a,6b) that drive the electrical units through a pair output stage units (12a,12b). Regarding claim 15, the processing unit and the output stage unit are connected through a fuse/relay (see figure 1). Regarding claim 16, Hommel further discloses a sensor (3) that communicates with the processing unit and monitors the steering device (1). Regarding claim 18, the sensor (3) is a wheel-torque control element.

Claim Rejections - 35 USC § 103

Art Unit: 3611

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 13,17,19,20 and 22-24 rejected under 35 U.S.C. 103(a) as being unpatentable over Hommel (US 6208923) in view of Higashi (US 6904346). Hommel mentioned above fails to disclose a manual torque element for a steering handle. However; Higashi discloses a steering system for a motor vehicle comprising: a steering handle (30) and torque sensor (41), said torque sensor being connected to a controller (80) and driving the motors (51,52). It would have been obvious for someone skilled in the art at the time the invention was made to add a second sensor to sense the torque/position of the steering handle into Hommel's invention, in order to be able to have a complete steer-by-wire system that reads the torque of the steering wheel and of the steering rack. Regarding claim 22-24, the electrical units can be accommodated in a housing or two housings depending of the space available in the vehicle; for example: if space is not an issue, the housing can be big enough to accommodate both electrical units, or if the space is reduced, the electrical units can be split into two housing in order to make use of all the space available.

6. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hommel (US 6208923) in view of Higashi (US 6904346) as applied to claim19 above, and further in view of Husain (US 2005/0082108). Hommel and Higashi fails to show a mechanical coupling of the steering handle to the steered wheels. However; Husain discloses a

mechanical connection to a steer-by-wire vehicle in case the system fails (fig 1). It would be obvious for someone skilled in the art to have a mechanical connection in a steer-by-wire system, in order to be able to have a safety backup in case the electronic controlled steer-by-wire system fails.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Perisho (US 6098296). Perisho discloses a wheel alignment system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARLON A. ARCE DIAZ whose telephone number is (571)272-1341. The examiner can normally be reached on Mon-Fri 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on (571) 272-6651. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marlon Arce-Diaz

7/21/08

MAA

/Joanne Silbermann/

Primary Examiner, Art Unit 3611